A Practical Joke by a Sofemn College President.

President David Starr Jordan, of Lefand Stanford University. Sends to the Popular Science Monthly a Marvellous Account of a Bogus Scientific Discovery.

THE EXPLANATION.

from beginning to end. It was suggested small, and superimposed one plate over experiments to ascertain a cat's idea of by Professor Sauford to President Jordan the other in pointing. He printed through man.

Starr Jordan, president of Stamford University, is in Alaska, but Professor Sanford, of the University, explained to the Journal correspondent the history of the astonishing article in the current Popular Science Western W San Francisco, Cl., Seapt. 5. - David last April, and President Jordan, with his a lens in order to produce greater intens

lar Science Monthly. It is the broadest kind of satire on the present craze for sensational popular science, and is a joke ing distances to produce large cats and graph and the reference to the meaning feeling on page 597, the remark that the Astral Camera Club was held the 1st of April, the manufactured word sympsychology and the reference to contemplated

THE BOGUS DISCOVERY.

David Starr Jordan in P opular Science Monthly.

HE Astral Camera Club of Alcalde was organized in November, 1895, for purposes of scientific research through the medium of photography. The function of the club was the co-operative study of man's latent psychical powers, that these might be made helpful in the conduct of life. No powers granted to man should be neglected or allowed to waste in idleness. Just as the great physical force of electricity remained for centuries hidden, and known only by casual and unimportant manifestations, so the great odic forces within man still are

As soon as the news of the marvellous experiments of Professor Roentgen had reached Alcalde, the Camera Club began work on the X rays, and on the larger problem of the significance of photography without visible light. They had no difficulty in repeating the usual experiments. They got an outline of the skeleton of a canary, the shadow of an empty pocketbook, the bones of a finger surrounded by a gold ring and the location of an imbedded shot. Thus those strange rays of light, or odie force, invisible to our eyes, because none of our ancestors ever had a chance to gaze upon them, disclosed the presence of objects which had else lain forever in darkness. In addition to this, the green light of the vacuum tubes provoked that uncanny feeling which always precedes and presages a great discovery in occult science. From this feeling the club was safe in predicting that far greater discoveries were to follow, and that the X rays would not end in mere repetitions of Roentgen's triumphs in "skiography."

In this they were not disappointed. Professor Inglis Rogers, of London, found that not only could pictures be produced in darkness by means of invisible force, but that the invisible waves sent out through the etner by the mind could also affect a sensitive plate. Ju a sone sensitive mind at a distance receives an image sent out from the psychic retina of another, so could the same image be concentrated and fixed upon a photographic plate.

Professor Rogers in a matter-of-fact way looked for a few minutes at a postage stamp, then retired to a dark room and gazed through the lens of the camera at the sensitive plate. The ngure of the postage stamp was on his mind, and from his mind it passed out through the sensitive ether to the plate made ready to receive it. The result was a photograph of the stamp small and a little blurred, but showing the undoubted features of the gracious Queen and the words "one penny." Thus was the bridge between psychic power and photographic sensitiveness made once for all. This connection established, there is naturally no limit to the application of the principle.

It thus becomes plain that the invisible rays of Roentgen are not light in the common sense, but akin rather to the brain emanations, or odic forces, which pass from mind to mind without the intervention of forms of gross matter as a medium, and to which gross matter in all its forms is subject.

At the meeting of the Astral Camera Club in Alcaide on April 1 of this current year, its president, Mr. Asa Marvin, read a paper on these discoveries, calling attention to their astral significance. The supremacy of mind over matter, already Indicated in a hundred ways, was thus splendidly illustrated. As a thousand miles of ether may be made to vibrate at the command of the will of the physical adept, so may the grosser forms of matter be shaken or removed when this subtle and

resistless force acts upon it. The famous legend of Odin and the Golden Mead, as Mr. Marvin went on to show, is not a myth, but was probably an actual occurrence. It may be a reality again when Odin's descendants rival their ancestor in that wisdom for which the famous hero so freely gave his right eye. It is not unlikely that the actual Niffelhelm, or mist-home, where he exchanged his right eye for wisdom, is to be sought in the Himalayas rather than in Scandi-

He had devised a camera with a lens having curved facets arranged on the plan of the eye of the fly. To each one of the seven facets led an insulated tube, provided within by an electric tion, so that electric or odic impulses would be transferred from the brain or retina through the eye of each different observer to the many-faced lens. From the lens these im-

greatest animal magnetism and greatest power of mental concentration, were chosen for the experiment. Connection was made from the eye of these observers to the corresponding parts of the lens; then all were to remain in utter darkness and perfect silence, each person fixing his mind on a eat. They were not to think of any particular cat, but of a cat as represented by the innate idea of the mind or ego itself. This was highly important, for the purpose of Mr. Marvin was not simply to fix by photography an ephemeral recollection, as Mr. Rogers and Mr. Lee had done; it was to bring out the impression of ultimate feline reality. The innate image in the mind was the ob

One man's thought of a cat would be individual ,ephemerqi, a recollection of some cat which he had some time seen, and which by the mind's eye would be seen again. From seven ideals, sympathetically combined, the true cat would be developed. This combination is the escence of sympsychography, a term suggested by Professor Amos Gridley, of Alcalde, as distinet from the ordinary ideeography of Rogers and Lee. The personal equation would be measurably eliminated in sympsychography, while the cat of the human innate idea, the astral cat, the cat which "never was on sea or land," but in accordance with which all cats have been brought into incarnation. would be more or less perfectly disclosed.

In accordance with this plan the experiment was tried under the direction of Mr. Asa Marvin. By the courtesy of the secre-tary of the club, Mis's Corintha Jones, of Alcalde, we are en-

this kind, in which odic magnetism is made to take the place

has not been fully accounted for. From its sharpness of definition it must stand in some relation to each of the seven persons whose thoughts were centred upon it. One suggestion was

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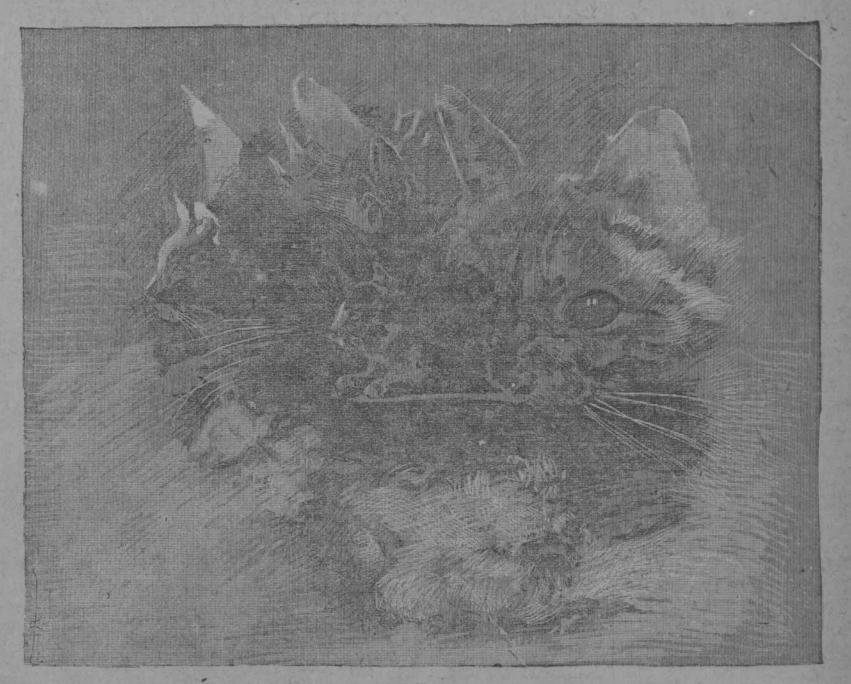
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There is no account to the seven pertous pieces of giass receive no jar. sons whose thoughts were centred upon it. One suggestion was that this was the blind spot on the retina in each of the sympsychographers. But the blind spot on the retina in each of the sympsychographers. But the blind spot marks the point of a patient work by the man who is probably the most expert in that line of work of any one in the world. Mr. Cark him self and the world of any one in the world. Mr. Cark him self and worked on them for a year after of special activity in ideography. This suggests that the black stigma may be the yellow spot, or the macula lutea, the point of acute vision, a region on the retina where odic forces would naturally be absent. Mr. Marvin himself inclines to the opinion that a microscopic examination of the negative will show that this stigma has likewise the form of a cat, and that it will be found to be an ideomorphic germ or centrum where the coordinate thought of the cat has first implaged on the plate, and ordinate thought of the cat has first impinged on the plate, and tice the chance of there being conditions most serious, dry as dust actually. And they once live and

THE ALLEGED PHOTOGRAPH OF THE RETINA OF THE HUMAN EYE.



on the cat's cheek is a curious black spot or stigma which clark will go with them, and also two as

Clark will go with them, and also two as

Think how interesting the primeval Hagenbeck must have

Big Beasts a Million Years Old Resurrected in Our Museum.

the direction of Mr. Asa Marvin. By the courtesy of the secretary of the cibb, Miss Corintal Jones, of Alcadde, we are enabled to present a copy of the resultant sympsychograph in advance of the publication of the regular bulletin of the society in which the apparatus used is figured in detail (see Plate 10).

It will be noticed, that this picture is aumistakily one of a cat. But if 15 a cat in its real essence, the type cat as distinguished from human impressions of individual cats. This achievement, like the earlier ones of Odin, Roentgen, Rogers and Lee, opens great vistus for future scientific research. The heaves experiment will be by similar means to photograph the cat's like of man.

As might be expected in the first attempt, there is a lack of eco-ordination of the parits. Mr. Gridley, the schoolmaster, had planned his cat on a large scale, a huge cint face with gray radiant whiskers looking directly at the beholder. Most of the others thought of the cat in lateral view or profile. These variant and vagnant individual impressions attivately hyperselfont the piate before the clier waves were co-ordinated, and the refex influences came back from all to one, regulating and coordinating the thought of the cat. Thus these preliminary impressions are recorded as ghost pletures in various places about the plate before the ultimate composite view was achieved. The deay in this regard has darkened the centre pleture, interfering a little with its perfection of definition. This darkening would be little with the prefection of definition. This darkening would probably appear in other experiments on account of the long exposure (sixteen ministes) thought necessary for a picture of the plate before the ultimate composite view was achieved. The day in this regard has darkened the centre pleture, interfering a little with its perfection of definition. This darkening would be decided with small springs, so designed as covaling the work of the cat.

The blg lenses which Aviat Clark, the choose of the Manusch Aviation of Professor Osborne, of the Natural History Museum in the Park, Writes of the Interesting Old Mam-

probably appear in other experiments on account of the long filled with small springs, so designed as they compared to such fascinating fellows as sported on the exposure (sixteen minutes) thought necessary for a picture of to obviate any jar from the train, The lenses will be shipped in a special globe ages before the first spade of earth was upturned under

from which the image of the cat has concentrically arisen.

Meanwhile the cat of Mr. Thompson, the jakitor, who alone of a glass larger than these are so great of North America, along with the sx-horn, protocors of the could answer this question, lay in the darkness under the warm that it is not likely that one will ever be ancient Black Hills of Dakota, the giang thin occurs and the aquestic rhinoceros, the rhinoceros and the aquestic rhinoceros, the four cost 1 ass, the great four-horned unintathere, the web-foot tiger page the terrible, blood thirsty ogressa wolf, the mison and end 000 years ago!

In the current Century Professor Henry Paraeld Osbort Curator of Paleontology in the American Museum of Nat. ral His tory, record has reconstructed in vivia words are appeal tuce these awful creatures of the past, compared to which our work monsters wouldn't fr. ghten bakes to sleep, and out of the rofossil bones, buried underneath three mil s of tock, Mr. Che. Knight has reconstructed them in "hyling pictures" that no spiring, terrific and most entertaining.

The beasts pictured on this page are a happy family ily Titanothere—bull, cow and entry trong the court outh outhors to basin. The artist and the his orien have browning info many from the abounted skeletons and show shelved away is a seum. Are they not highly interesting are were lelling in the mud to-day, instead of

The amonthere is but one of a group of nine of the ones for middible, now furny, prehistoric begats which have been dug up, as it were, and brought to life again. Their habits and prowess were as worderful as they are almusing and queer. There the ITtanothere, for instance, perhaps the most curious of the time "The Titonathere, although the reigning plutocrat of the South Dakota Lake, as we may call it, was no ferul purvenu or upstart. He boasted a family tree branching back to a small tribe which lived in a modest way beside the Wasatch Lak-some half million years before. These small but hardy ancestors had seen the Uin tatheres swell in size, take on norns, and

"Apparantly no record of this fact was preserved, for hardly had the Ulntatheres gone to earth when the Titanothere family, unmindful of th fate attending horns and bulk began to develop horns which sprouted like humps over the eyes, as may be seen in the little caif. For a while the males and females had humps of the same moderate size, but as the premium upon horns rose, the old buils made great capital of them, fighting each other, and butting the females who would not return their courtship-a fact attested by broken ribs.

"Finally these horns attained a prodigious size in the bulls, branching off from the very end of the snout, unlike anything in existing nature. In the meantime this "Titanbeast," as Leidy well named him, acquired a great hump upon his back nearly ten feet above the ground, while he stretched out to a length of fourteen feet, and expanded to a weight of two tons. He increased in number, also, as one sees in the scores of his petrified bones. This prosperity was, however, fatal, for in the stratum above not a trace of this family remains.

"It is difficult to assign the cause of this sudden exit; it was

certainly not lack of brains. Vast fields, extensive droughts, cold waves, epidemics, suggest themselves as possible causes, but change of flora seems the more probable. The Titanothers grinding tooth was not of a type which could adapt itself even to a slight change of vegetation, and this animal died out at

These Untatheres , who had risen up and disappeared a half buge ofter-like animals who dired off alligators and delicate enfremets of that sort.

"This beast," to quote Professor Osborn again, "destined to yield the first fragment of his jaw-bone some cons later to the veteran Joseph Leidy, and to be termed Patriofelis), shows

..... then there was the four-toed horse, so utterly distinct com the other big beasts of those days. He was swift, alert, e...gent, only styleen inches high, with legs like lead penclim-1 to large eyes are much further forward than in the horse, are could readily have among the tailer stades, and it is possible as in a the beautiful of protective stripes initiating reed ows upon his neck and mane. In his hair and coloring, howr, we pass and pure conjecture. His well-worn, Phisel-ea front teeth radicate that he was already a cropper or er, and the evident secret of his triumphant persistence ais policerous contemporaries is that he learned to browse about the time that grasses began to appear. He was the

days! A half million years was nothing a land mark. The years in slowly, slowly passing evolved a sure enough, but such a pig. He was a He had bristles, a great shaggy mane, dewinps swingg som great bony knobs under the chin and jaws. He was

sa o glok among swine. there is no doubt that the Elothere was a pig of the first the range. While the Tita more were extant be maintained the humble size of the taa ry the reign of the giant hogs began. They acquired skulls neural tour feet long, armed with huge cheek bones and under jaw-pintes, powerful upper limbs, and narrow, stilted feet, differing from those of the pig in the absence of dew-claws; the shoulders rose into a hump, but the chest was shallow and feeble. The open mouth displayed a row of pointed front teeth used in rooting and grubbing, as shown in the animal on the

And then the giant plg passed away. "Thus," ends Professor Osborn, "we conclude a glimpse of two phases of ancient life in he Western lakes, two brief episodes out of hundreds in the long history of the great West.

"All these monsters had their day, while the sun shone, the birds warbled, the insects hummed over thousands of miles of water and luxurisht sub-tropical bloom. Meanwhile the Western continent slowly rose, the Sierra shut off more and more of the sweet influences of the Pacific, and before the arrival of man this splendid assemblage of l'fe was finally replaced by the hardy animals of the hills, the small and coloriess denizens of the desert, and the ruminants of the plains. The complete restoration of the glories of that earlier era is the dream and

One million years ago they lived, these queer four-toed horses and monstrous shouted chinoceri. The latest discoveries in Babylon, which the Journal told about last Sunday, take the world's history back only about 9,000 years. Multiply that 100 times and then you approximate the date when the last of these strange prehistoric creatures turned up his toes and died.

And the dream of the fossil hunter is as yet not one-half re



TITANOTHERE FAMILY -- BULL, GOW AND CALF -- OF THE SOUTH DAKOTA LAKE BASIN